

**ANTIMICROBIAL RESIN AND ITS PRODUCTION****Publication number:** JP9301812 (A)**Publication date:** 1997-11-25**Inventor(s):** KAWAKAMI TOSHIHIRO; TEJIMA SEIICHI; ASAKO YOSHINOBU; TSUBOI HIROSHI**Applicant(s):** NIPPON CATALYTIC CHEM IND**Classification:****- International:** A01N25/10; A01N25/12; A01N41/04; A01N55/02; A01N59/16; C08F8/42; A01N25/10; A01N25/12; A01N41/00; A01N55/00; A01N59/16; C08F8/00; (IPC1-7): A01N59/16; A01N25/10; A01N25/12; A01N41/04; A01N55/02; C08F8/42**- European:****Application number:** JP19960120596 19960515**Priority number(s):** JP19960120596 19960515**Abstract of JP 9301812 (A)**

**PROBLEM TO BE SOLVED:** To obtain an antimicrobial resin containing a sulfonic acid silver salt component and excellent in an antimicrobial force and handleability, and to provide a method for producing the same. **SOLUTION:** This antimicrobial resin comprises spherical particles having an average particle diameter of 0.3-500 $\mu$ m. This method for producing the antimicrobial resin comprises suspension-polymerizing monomer components consisting mainly of an aromatic vinyl monomer, sulfonating the polymer particles and subsequently reacting the sulfonated polymer particles with a silver compound. Or, the method for producing the antimicrobial resin comprises suspension-polymerizing monomer components containing an unsaturated sulfonic acid and subsequently reacting the obtained polymer with a silver compound.

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